

**ABSTRACT**

A video signal processing system for processing a video data  $V_{IN}$  and graphic data  $D_{\mu P}$  includes a filter unit, which receives the video data  $V_{IN}$ . The filter unit filters the video data  $V_{IN}$  to convert the video data  $V_{IN}$  into video pictures formatted with a different number of columns and/or lines, and provides a filtered video signal indicative thereof. The filter unit buffers individual pixels and/or lines in a first memory device. A second memory device receives and stores the graphic data  $D_{\mu P}$  and the filtered video signal and provides stored signals indicative thereof. A third memory device is connected to the second memory, and stores data received from the second memory device. A mixing unit receives and mixes the stored graphic data and the stored filtered video data to provide a video output signal  $V_{OUT}$ .